

HFUS 3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 083

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 24 HOURS. NO FLARES GREATER THAN CLASS C WERE NOTED THIS INTERVAL. REGIONS 4443 (N15W20) AND 4449 (S14E27) REMAIN AS THE LARGEST VISIBLE REGIONS BUT THEY TOO ARE RELATIVELY SMALL. REGION 4449 IS AN EAO TYPE BUT ONLY BECAUSE RECENTLY DEVELOPED SATELLITE SPOTS EXTENDED ITS LONGITUDE. TWO SMALL SUBNORMAL FLARES APPARENTLY RESULTED FROM THIS GROWTH. THE REST OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT GENERALLY LOW LEVELS. AN ISOLATED M EVENT IS POSSIBLE FROM REGION 4449.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE WITH BRIEF PERIODS AT STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 24 MAR-26 MAR

CLASS M 40/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAR 116

PREDICTED 24 MAR-26 MAR 116/115/112

90 DAY MEAN 23 MAR 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 MAR 017/024

ESTIMATED AFR/AP 23 MAR 022/027

PREDICTED AFR/AP 24 MAR-26 MAR 015/020-015/015-010/015

SOLTERWARN

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